Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

10/079,289

SOORIYAKUMARAN ET AL.

Examiner

Barbara L. Gilliam

Art Unit

✓ Rejected= Allowed

(Through numeral)
Cancelled

Restricted

N Non-Elected

Interference

A Appeal
O Objected

|          |                       |          |                                                  |          |              |                                                  |          |                                                  | ч-           |                 |  |  |  |  |
|----------|-----------------------|----------|--------------------------------------------------|----------|--------------|--------------------------------------------------|----------|--------------------------------------------------|--------------|-----------------|--|--|--|--|
| Cla      | im                    |          |                                                  |          |              | Dat                                              | e        |                                                  |              |                 |  |  |  |  |
| Final    | Original              |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 1                     |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 1<br>2<br>3<br>4<br>5 |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 3                     | L        | Ë                                                |          | L            | <u> </u>                                         |          |                                                  |              |                 |  |  |  |  |
| <u> </u> | 4                     | ļ        | <u> </u>                                         | L        | <u> </u>     | ļ                                                |          | <u> </u>                                         | <u> </u>     | Ш               |  |  |  |  |
|          | 6                     | ⊢        | -                                                | L        | ╀            | ┢                                                | -        | -                                                | -            | Н               |  |  |  |  |
| -        | 7                     | H        | -                                                | _        | ╁            | ┢                                                | ┢        | ⊢                                                |              | Н               |  |  |  |  |
|          | 7<br>8                | ┢╌       |                                                  | -        | ╁            | 一                                                |          | $\vdash$                                         |              | Н               |  |  |  |  |
|          | 9                     |          | <del>                                     </del> | ┢        | $\vdash$     | <del>                                     </del> | _        | -                                                | 一            | Н               |  |  |  |  |
|          | 10                    |          |                                                  |          |              | Г                                                |          |                                                  |              | П               |  |  |  |  |
|          | 11                    |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 12                    |          |                                                  |          |              |                                                  |          |                                                  |              | Ц               |  |  |  |  |
|          | 13<br>14              | _        | _                                                | <u> </u> | <u> </u>     | <u> </u>                                         |          | _                                                | _            | Щ               |  |  |  |  |
| <b> </b> | 14                    | _        | <u> </u>                                         | _        | _            | -                                                | <u> </u> | <u> </u>                                         | _            | $\vdash$        |  |  |  |  |
|          | 15                    | ├—       | ┝                                                |          | _            | ┢                                                | -        | -                                                |              | $\vdash$        |  |  |  |  |
| $\vdash$ | 16<br>17              | ├        | -                                                | ┝        | $\vdash$     | $\vdash$                                         | $\vdash$ | _                                                | <del> </del> | Н               |  |  |  |  |
|          | 18                    | -        | $\vdash$                                         | $\vdash$ | $\vdash$     | 一                                                | ┢        | <del>                                     </del> | -            | Н               |  |  |  |  |
|          | 19                    | $\vdash$ | ┢                                                | $\vdash$ |              | $\vdash$                                         | $\vdash$ | $\vdash$                                         |              | Н               |  |  |  |  |
|          | 20                    | $\vdash$ | $\vdash$                                         | Г        |              |                                                  | $\vdash$ |                                                  |              |                 |  |  |  |  |
|          | 21                    |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 21<br>22<br>23        |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 23                    |          | _                                                | _        | _            | L                                                |          |                                                  |              | Щ               |  |  |  |  |
|          | 24<br>25              | ┡        |                                                  |          | <u> </u>     | <u> </u>                                         | _        | <u> </u>                                         | L            | Щ               |  |  |  |  |
|          | 26                    | ┝        |                                                  |          | H            | _                                                | _        | ┝                                                | -            | Н               |  |  |  |  |
| $\vdash$ | 27                    | -        |                                                  |          | ┢            | -                                                | -        | ⊢                                                | -            | H               |  |  |  |  |
|          | 28                    | _        |                                                  | _        | $\vdash$     | -                                                |          | -                                                | ┢            | H               |  |  |  |  |
|          | 29                    |          | Г                                                | _        | Т            | $\vdash$                                         |          | _                                                | _            |                 |  |  |  |  |
|          | 30                    |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 31                    |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 32                    | <u>L</u> |                                                  | _        | <u> </u>     | <u> </u>                                         | <u> </u> |                                                  |              | Ш               |  |  |  |  |
|          | 33                    | _        |                                                  |          | _            | <u> </u>                                         | <u> </u> | _                                                | _            |                 |  |  |  |  |
|          | 34<br>35              | -        |                                                  | _        | ⊢            | H                                                |          | -                                                | -            | Н               |  |  |  |  |
|          | 36                    | -        | -                                                | $\vdash$ | ├            | $\vdash$                                         | $\vdash$ | $\vdash$                                         | -            | Н               |  |  |  |  |
|          | 37                    |          | $\vdash$                                         |          | <del> </del> | <del> </del>                                     | Ι        | $\vdash$                                         | $\vdash$     | H               |  |  |  |  |
|          | 38                    |          |                                                  |          | <u> </u>     | <u> </u>                                         | -        |                                                  | H            | H               |  |  |  |  |
|          | 39                    |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 40                    |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 41                    |          |                                                  |          | <u> </u>     |                                                  |          | _                                                |              | Ц               |  |  |  |  |
|          | 42                    | H        | Щ                                                |          | $\vdash$     |                                                  |          | _                                                | $\vdash$     | Щ               |  |  |  |  |
|          | 43<br>44              | _        | Н                                                |          | -            | $\vdash$                                         | -        | -                                                | -            | $\vdash \vdash$ |  |  |  |  |
|          | 45                    | -        | $\vdash$                                         |          | <u> </u>     | $\vdash$                                         | -        |                                                  | -            | $\vdash \vdash$ |  |  |  |  |
|          | 46                    |          | Н                                                | _        | Η.           | -                                                | $\vdash$ |                                                  | $\vdash$     | H               |  |  |  |  |
|          | 47                    |          | М                                                | _        |              |                                                  |          | _                                                |              | $\dashv$        |  |  |  |  |
|          | 48                    |          |                                                  |          |              |                                                  |          | _                                                |              | $\dashv$        |  |  |  |  |
|          | 49                    |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |
|          | 50                    |          |                                                  |          |              |                                                  |          |                                                  |              |                 |  |  |  |  |

| _             |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | lΓ             | Cla      | im             | Γ  |           |          |          | - (      | Date     | <br>e    |          |              | -        |
|---------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|----------------|----|-----------|----------|----------|----------|----------|----------|----------|--------------|----------|
| $\neg \vdash$ |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1              |          |                | Ι. | _         |          |          |          |          |          |          |              |          |
| -             |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | ã        | Original       | ١  | 12/21/03  |          |          | l        |          |          |          | l            |          |
|               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Final    | įġ             | 15 | 7         |          |          |          |          |          |          |              |          |
| -             |                                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | ш.       | ŏ              | 15 | 7         |          |          |          |          |          |          | l            |          |
| +             | ⊢                                                | ├-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>!</b>       |          |                | ┞  | _         | -        |          |          |          | ⊢        | ⊢        | ⊢            | H        |
|               | ┡                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -              |          | 51<br>52       | L  |           |          | L        | _        |          | <u> </u> | <u> </u> | ╙            | <u> </u> |
|               | 乚                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ΙL             |          | 52             | L  |           |          | L.       |          |          |          |          | _            |          |
|               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ΙL             |          | 53             |    |           |          |          |          |          |          |          |              |          |
|               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |          | 54<br>55       |    |           |          |          |          |          |          |          |              |          |
|               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | lΓ             |          | 55             | Г  |           |          |          |          |          |          |          |              |          |
|               | Ī                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 [            |          | 56             | Г  |           |          |          |          |          |          |          |              |          |
| 1             |                                                  | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 1            |          | 57             | T  |           |          |          |          |          |          |          |              |          |
|               | T                                                | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | i F            |          | 58             | T  |           |          |          |          |          |          |          |              |          |
|               | ╁                                                | ┢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | l H            |          | 59             | H  | _         | _        |          |          |          |          | _        | _            | $\vdash$ |
| +-            | ╁                                                | ┢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \              | _        | 60             | t  | -         |          |          | $\vdash$ |          | $\vdash$ | $\vdash$ | $\vdash$     |          |
| +             | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | {              |          | 61             | ₽  | 4         | H        | <u> </u> | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ |
| +-            | <del> </del>                                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (              |          | 01             | ₽  | 4         | <u> </u> |          |          | <b>-</b> | Ь        | -        | ⊢            | -        |
| +             | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -              |          | 62<br>63       | L  | _         | $\vdash$ |          | $\vdash$ |          | $\vdash$ | <u> </u> | <u> </u>     | $\vdash$ |
| $\perp$       | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |          | 63             | L  | _         |          |          | Ш        | $\vdash$ | $\vdash$ | _        | $\vdash$     | Щ        |
| _             | <u> </u>                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | L              |          | 64             | L  | _         |          | L        | Ш        |          | L_       |          | _            | Ш        |
|               | L                                                | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |          | 65             | L  |           |          |          |          |          |          |          |              |          |
|               | L                                                | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |          | 66             | Ĺ  | _         |          |          |          |          |          |          |              |          |
|               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Ιſ             |          | 65<br>66<br>67 | v  | 7         |          |          |          |          |          |          |              |          |
|               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | lr             |          | 68<br>69       | Γ  |           | _        |          |          |          |          |          |              |          |
| 1             |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ▎┟             |          | 69             | T  | _         | _        |          |          |          |          |          |              |          |
| $\top$        | H                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ▎┟             |          | 70             | H  | _         |          |          |          | _        |          |          | Н            |          |
| +             | $\vdash$                                         | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | l H            |          | 70<br>71       | t  | 1         |          |          |          |          |          | -        | -            |          |
| ╅             | ⊢                                                | ┢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | l ⊦            |          | 72             | F  | -         | _        | -        | -        |          | -        |          | <del> </del> | -        |
|               | ┢                                                | ┢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | l H            |          | 73             | 1  | 7         |          | -        | _        |          | -        |          | $\vdash$     |          |
| +             | ├                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ! ⊦            | -        | 73             | Ľ  | 4         | _        | _        | $\vdash$ | _        | _        |          | ⊢            | Н        |
| -             | ⊢                                                | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | l ⊦            |          | 74<br>75       | ļ. | /         | _        | _        | Ш        |          | _        | _        | _            | _        |
| <b>-</b>      | <u> </u>                                         | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -              |          | /5             | ۲  | _         |          | _        |          |          |          |          | _            |          |
|               | L                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | L              |          | 76<br>77       | ۷  | 4         |          |          |          |          |          |          |              |          |
|               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | L              |          | _77            | L  |           |          |          |          |          |          |          |              |          |
|               | l                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | L              |          | 78             |    |           |          |          |          |          |          |          |              |          |
|               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |          | 79             | ٦  | 7         |          |          |          |          |          |          |              |          |
| 1             | Ι.                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | $\neg$   | 80             | ٥  | 7         |          |          |          |          |          |          |              |          |
| $\top$        |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |          | 81             | Ū  | 7         |          | •        |          |          |          |          |              |          |
|               | Г                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |          | 82             | ľ  | ٦         |          |          | H        |          |          |          |              |          |
| +-            | <del>                                     </del> | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -              | -+       | 82<br>83       | H  | $\forall$ |          |          | Н        |          | $\Box$   | $\vdash$ | $\vdash$     | $\vdash$ |
| +             | -                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ▎┝             |          | 84             |    | H         |          |          | Н        |          | -        | _        | -            | $\vdash$ |
| +             | <del> </del>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -              |          | 85             | ľ. | $\dashv$  | $\vdash$ |          | $\vdash$ | -        |          |          | -            | Н        |
| +             | -                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -              |          | 96             | Н  | 4         |          |          | Н        |          |          |          | -            | -        |
|               | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -              |          | 86             | Н  | 4         | $\vdash$ |          | Н        |          |          | _        | $\vdash$     | $\vdash$ |
| +             | <u> </u>                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -              |          | 87             | Н  | 4         | $\vdash$ | <u> </u> | Щ        |          | Щ        |          | Щ            | Щ        |
| +             |                                                  | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |          | 88             | Ц  | Ц         |          |          |          |          |          |          | Щ            |          |
|               | <u> </u>                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ∟              |          | 89             | Ц  | Ц         |          |          |          |          |          |          | Ш            | Ш        |
|               | <u> </u>                                         | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}}}$ | L              |          | 90             | Ц  | Ц         |          |          |          |          |          |          |              |          |
|               | L                                                | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | I        | 91             | U  | $\sqcup$  |          |          |          |          |          |          |              |          |
| $\Box$        |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |          | 92             | П  |           |          |          |          |          |          |          |              |          |
| T             |                                                  | П                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |          | 93             | П  | 1         |          |          |          |          |          |          |              |          |
| 1             |                                                  | П                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ▎▕▔            | $\neg$   | 94             | П  | 7         |          |          |          |          |          |          |              |          |
| +             | T                                                | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | │ <del>├</del> | $\neg$   | 95             | H  | +         | $\dashv$ |          | $\vdash$ |          |          | _        | $\vdash$     | $\dashv$ |
| +-            | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ∣ ⊦            | $\dashv$ | 96             | H  | +         | -        |          |          | -        | $\dashv$ |          | $\vdash$     | $\dashv$ |
| +-            | $\vdash$                                         | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -              | $\dashv$ | 97             | H  | ┨         | $\dashv$ | -        |          |          | $\dashv$ |          | -            | $\dashv$ |
| +-            | <del> </del>                                     | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -              | $\dashv$ |                | H  | 4         |          | -        | -        |          |          |          | $\dashv$     | $\dashv$ |
| +-            | H                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | $\dashv$ | 98             | Н  | 4         |          | _        |          |          |          |          | $\vdash$     | $\dashv$ |
| +-            | <del>  -</del>                                   | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -              |          | 99             | -  | H         |          |          | $\Box$   |          | -        |          | Щ            | $\sqcup$ |
|               | L                                                | ш                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | L              |          | 100            | ٧  | _         |          |          |          | لـــا    |          |          |              |          |
|               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |          |                |    |           |          |          |          |          |          |          |              |          |

| Cla             | aim                                                  | Date     |                                     |                   |              |              |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |  |  |  |  |  |
|-----------------|------------------------------------------------------|----------|-------------------------------------|-------------------|--------------|--------------|----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|--|--|--|--|
|                 |                                                      |          |                                     |                   |              | П            |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | П         |  |  |  |  |  |
| ਯ               | Original                                             | 12/27/05 |                                     |                   |              |              |          |              | ŀ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1         |  |  |  |  |  |
| Final           | ğ                                                    | 12       |                                     |                   |              | l            |          | l            | ŀ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | l         |  |  |  |  |  |
| _               | Ō                                                    | 2        |                                     |                   |              |              |          | ŀ            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | i I       |  |  |  |  |  |
|                 |                                                      |          | ⊢                                   | $\vdash$          | -            | ⊢            | -        | ├            | ┝╌                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$  |  |  |  |  |  |
|                 | 101<br>102                                           | +        | -                                   |                   | -            | -            | $\vdash$ | ⊢            | ⊢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н         |  |  |  |  |  |
|                 | 102                                                  | ₩        | H                                   | ⊢                 | ├─           | ┢            | ├        | -            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | H         |  |  |  |  |  |
|                 | 103                                                  | H-       | -                                   | <del> </del> —    |              |              |          | $\vdash$     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Н         |  |  |  |  |  |
|                 | 104<br>105                                           | ₩        | ⊢                                   | ⊢                 |              | ⊢            | ├        | ├            | ├-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ╌         |  |  |  |  |  |
|                 | 105                                                  | Н_       | _                                   | _                 | ┡            | H            | ┡        | H            | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н         |  |  |  |  |  |
|                 | 106                                                  | 1        | -                                   | <u> </u>          |              | <u> </u>     | _        |              | ļ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ⊢         |  |  |  |  |  |
|                 | 107                                                  | Ц.       | _                                   | _                 | <u> </u>     |              | <u> </u> | <u> </u>     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Щ         |  |  |  |  |  |
|                 | 108                                                  | Ц.       | _                                   | L.                | ╙            | <u> </u>     | ╙        | <u> </u>     | ┖                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ш         |  |  |  |  |  |
|                 | 109                                                  | V        | _                                   | _                 | L.           |              | _        | _            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Ш         |  |  |  |  |  |
|                 | 108<br>109<br>110                                    | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _                 | <u> </u>     |              | <u> </u> | _            | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ш         |  |  |  |  |  |
|                 | 1111                                                 | N        |                                     | Ш                 |              |              | <u></u>  | 匚            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Ш         |  |  |  |  |  |
|                 | 112                                                  | Ш        | $oxedsymbol{oxed}$                  | L                 |              | L            | L        | L            | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | $\square$ |  |  |  |  |  |
|                 | 113                                                  | Ш        | L                                   | L                 |              |              |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |  |  |  |  |  |
|                 | 114                                                  | $\prod$  |                                     |                   |              |              |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |  |  |  |  |  |
|                 | 115                                                  |          |                                     |                   |              |              |          |              | Γ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |  |  |  |  |  |
|                 | 116                                                  | П        | Г                                   |                   |              | Г            |          | Г            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | П         |  |  |  |  |  |
|                 | 112<br>113<br>114<br>115<br>116<br>117               | П        |                                     |                   |              |              |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | П         |  |  |  |  |  |
|                 | 118                                                  | ΗT       |                                     |                   |              |              |          | Г            | ı                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |  |  |  |  |  |
|                 | 118<br>119<br>120<br>121<br>122<br>123<br>124<br>125 | H-       |                                     |                   | _            | <del> </del> | $\vdash$ | $\vdash$     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | $\vdash$  |  |  |  |  |  |
|                 | 120                                                  | H        | <del> </del>                        | ┢                 | ┢            | H            | $\vdash$ | $\vdash$     | ┢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н         |  |  |  |  |  |
|                 | 121                                                  | Н        | ┢                                   | $\vdash$          | $\vdash$     |              | $\vdash$ |              | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н         |  |  |  |  |  |
| _               | 122                                                  | ₩        | ┝                                   | $\vdash$          | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$     | ├                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н         |  |  |  |  |  |
|                 | 122                                                  | Η,       |                                     |                   | <del> </del> | -            | -        | -            | ├                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\vdash$  |  |  |  |  |  |
|                 | 123                                                  | X        | -                                   | ⊢                 | -            | ├-           | ├—       | $\vdash$     | ├-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -         |  |  |  |  |  |
|                 | 124                                                  | <u> </u> | ┝                                   | _                 | <u> </u>     | H            | -        | -            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н         |  |  |  |  |  |
|                 | 120                                                  | <u>~</u> | <del> </del>                        | -                 | ┝            | ⊢            | <u> </u> | _            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\vdash$  |  |  |  |  |  |
|                 | 120                                                  | 4        | <u> </u>                            | <u> </u>          | <u> </u>     | -            |          | <u> </u>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Н         |  |  |  |  |  |
|                 | 126<br>127<br>128                                    | Ц.       | <u> </u>                            | <u> </u>          | <u> </u>     | L            | _        | L            | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ш         |  |  |  |  |  |
|                 | 128                                                  | Щ        | <u> </u>                            | _                 | <u> </u>     | _            |          |              | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | $\sqcup$  |  |  |  |  |  |
| -               | 129                                                  | Щ        |                                     |                   |              |              |          | _            | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Щ         |  |  |  |  |  |
| $\blacksquare$  | 130                                                  | Щ        | _                                   | _                 | ᆫ            | ㄴ            | L_       | <u> </u>     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Щ         |  |  |  |  |  |
|                 | 129<br>130<br>131                                    | L        | _                                   | $ldsymbol{f eta}$ | L            | <u> </u>     | L_       | ╙            | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ш         |  |  |  |  |  |
|                 | 132                                                  | Щ        |                                     | Ш                 | L            | <u> </u>     |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Ш         |  |  |  |  |  |
|                 | 132<br>133                                           | $\perp$  |                                     |                   |              | $oxed{oxed}$ |          | $oxed{oxed}$ | $oxed{oxed}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Ш         |  |  |  |  |  |
|                 | 134                                                  | Ш        |                                     |                   |              | oxdot        |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |  |  |  |  |  |
|                 | 135                                                  |          |                                     | L                 |              | Ĺ            | L        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |  |  |  |  |  |
|                 | 136                                                  |          |                                     |                   |              |              |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |  |  |  |  |  |
|                 | 137<br>138                                           |          |                                     |                   |              |              |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |  |  |  |  |  |
|                 | 138                                                  | Т        |                                     |                   |              |              |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | П         |  |  |  |  |  |
|                 | 139                                                  | Т        |                                     |                   |              | П            |          |              | Г                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | П         |  |  |  |  |  |
|                 | 140                                                  |          |                                     |                   |              | П            |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | П         |  |  |  |  |  |
|                 | 141                                                  |          |                                     | Н                 |              |              |          |              | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н         |  |  |  |  |  |
| $\neg \neg$     | 142                                                  | $\top$   |                                     |                   | _            | $\vdash$     |          | $\vdash$     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | H         |  |  |  |  |  |
| $\neg \uparrow$ | 143                                                  | +        |                                     | $\vdash$          |              | _            | Т        | Н            | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Н         |  |  |  |  |  |
|                 | 144                                                  | +        |                                     |                   | _            |              |          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | $\vdash$  |  |  |  |  |  |
| -+              | 145                                                  | +        | H                                   |                   |              |              | _        | H            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н         |  |  |  |  |  |
|                 | 146                                                  | +        | $\vdash$                            | -                 | _            | -            | <u> </u> |              | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Н         |  |  |  |  |  |
| -               | 147                                                  | +        | <b></b> -                           |                   | -            |              |          |              | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | $\dashv$  |  |  |  |  |  |
| $\dashv$        |                                                      | +        |                                     | $\vdash$          |              |              |          |              | <b>-</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\vdash$  |  |  |  |  |  |
|                 | 148                                                  |          | -                                   | Н                 |              |              | -        | Н            | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | $\vdash$  |  |  |  |  |  |
|                 | 149                                                  | ~        | <u> </u>                            | Щ                 |              | Щ            |          | Щ            | Ш                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н         |  |  |  |  |  |
|                 | 150                                                  | ~        |                                     | Ш                 |              |              |          |              | Ц_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Ш         |  |  |  |  |  |

| Index of Claims (continued) |   |           |        |                                          |  | licatio | on/Contro | ol No. |          | Applicant(s)/Patent under Reexamination |  |  |  |  |  |
|-----------------------------|---|-----------|--------|------------------------------------------|--|---------|-----------|--------|----------|-----------------------------------------|--|--|--|--|--|
|                             |   |           |        |                                          |  | miner   |           | 1      | Art Unit |                                         |  |  |  |  |  |
| \<br>=                      | 1 | -         | -<br>÷ | (Through nume<br>Cancelled<br>Restricted |  | N       | Non-El    | ected  | A        |                                         |  |  |  |  |  |
| Claim                       |   | J<br>Date |        | Claim                                    |  | Date    |           | Clai   | n        | Date                                    |  |  |  |  |  |

| Cla             | aim        | Date     |                      |          |               | C        | Claim Date      |                     |          |    |        |                                         | ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cla                                              | aim      |          | Date     |                         |   |                 |            |           |          |          |                 |          |          |               |          |          |
|-----------------|------------|----------|----------------------|----------|---------------|----------|-----------------|---------------------|----------|----|--------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------|----------|----------|-------------------------|---|-----------------|------------|-----------|----------|----------|-----------------|----------|----------|---------------|----------|----------|
|                 |            | 5        |                      |          |               |          |                 | П                   |          | Τ. | _      | T                                       | Г                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |          | П        | Т        | T                       | 1 |                 |            |           |          |          |                 |          |          | П             | $\Box$   | $\neg$   |
| ब्र             | Original   | 12/27/05 |                      |          |               |          |                 |                     | Final    |    | Gigila |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          |          |                         | 1 | Final           | Original   |           |          |          |                 |          |          | il            |          |          |
| Final           | jë         | 22       |                      |          | Ш             |          |                 |                     | 1=       |    | ₹      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          | -        | 1                       |   | <u> </u>        | )rig       |           | .        |          |                 |          |          | ıl            |          |          |
|                 |            | 7        |                      |          |               |          |                 |                     |          | 1, | 1      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          | - 1      | -                       |   |                 | ٥          |           |          |          |                 |          |          | ıl            |          |          |
|                 | 151        | ノ        |                      |          |               |          |                 |                     |          | 20 | )1     |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          | T        |                         | 1 |                 | 251        |           |          |          |                 |          |          |               | $\Box$   |          |
|                 | 152        | I        |                      |          |               |          |                 |                     |          | 20 |        |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          |          |                         |   |                 | 252        |           |          |          |                 |          |          |               | $\Box$   |          |
|                 | 153        |          |                      |          |               |          |                 |                     |          | 20 |        | $oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          |          |                         |   |                 | 253        |           |          |          |                 |          |          |               |          |          |
|                 | 154        |          |                      |          |               |          |                 |                     |          | 20 |        |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          |          |                         |   |                 | 254        |           |          |          |                 |          |          |               |          |          |
|                 | 155        |          |                      |          |               |          |                 |                     |          | 20 |        |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          |          |                         |   |                 | 255        |           |          |          |                 |          |          |               |          |          |
|                 | 156        | L        | Ш.                   |          | Ш             |          |                 | Ш                   |          | 20 |        |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ш                                                |          |          |          | $oldsymbol{\perp}$      |   |                 | 256        |           |          |          |                 |          |          | Ш             |          |          |
| $oxed{oxed}$    | 157        | L        | oxdot                |          | Ш             | $\Box$   | $\perp$         | Ш                   | <u> </u> | 20 |        |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          | ┙        |                         | ] |                 | 257        |           | _        | _        |                 |          |          | $\sqcup$      |          | $\Box$   |
|                 | 158        |          | <u> </u>             |          | Ш             |          |                 | $oxed{oxed}$        | <u> </u> |    | 8      |                                         | $oxed{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | Ш                                                | Ш        | _        | $\perp$  | $\perp$                 | _ |                 | 258        |           |          | _        |                 |          | _        | $\sqcup$      | $\Box$   | $\Box$   |
| <u> </u>        |            | V        |                      |          |               |          |                 | $\perp \perp \perp$ |          | 20 |        |                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                  |          | _        |          |                         | ] |                 | 259        |           |          |          |                 |          |          | Ш             |          |          |
| <u></u>         | 160        |          |                      |          |               | $\Box$   |                 | $\perp$             | <u> </u> | 2  |        |                                         | 丄                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  | Ц        | _        | _        | $\perp$                 | 1 |                 | 260        |           | _        | _        |                 |          |          | Ш             | _        |          |
|                 | 161        |          |                      |          | Щ             | $\Box$   |                 | Щ                   | <u> </u> | 2  |        |                                         | ╙                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Ш                                                | Ш        | _        |          |                         | 1 |                 | 261        |           |          |          |                 |          | _        | $\perp$       |          |          |
| <u></u>         | 162        |          | $\Box$               | Щ        | Щ             | Ш        | $\perp$         | $\dashv$            | <u> </u> | 2  |        | 4_                                      | ↓_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Ш                                                | Щ        | 4        | $\bot$   |                         | 4 | <u></u>         | 262        | $\sqcup$  | _        | _        | Ш               |          |          | $\dashv$      |          | _        |
| igsqcup         | 163        |          |                      | Ш        | Щ             | $\sqcup$ | $\perp$         | 44                  | <u> </u> | 2  |        |                                         | ↓_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Щ                                                | Ш        | $\dashv$ | _        | _                       | 1 | <u> </u>        | 263        | $\square$ | _        | _        | Ш               |          | _        | $\dashv$      | _        | $\dashv$ |
|                 | 164        |          |                      | Ш        |               | $\Box$   |                 | $\perp \perp$       |          | 2  |        |                                         | ↓_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $\perp$                                          | _        | _        |          | $\bot$                  | 1 |                 | 264        | $\Box$    |          | _        | Ш               | _        | _        | $\dashv$      | 4        | ᆚ        |
| $\sqcup$        | 165        |          | $\sqcup \sqcup$      | Щ        | $\square$     | $\sqcup$ | $\perp$         | $oldsymbol{\perp}$  |          | 2  |        |                                         | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\sqcup$                                         | $\sqcup$ |          | -        | +                       | - | $\vdash$        | 265        | $\square$ |          | _        | $\square$       | $\dashv$ |          |               |          | _        |
| $\vdash \vdash$ | 166        |          | $\sqcup \!\! \sqcup$ | Щ        | $\mid - \mid$ |          | 4               | $\dashv$            |          | 2  |        | $\perp$                                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Ш                                                | Н        | _        | +        | _                       | 4 | <u></u>         | 266        |           |          | _        | $\sqcup$        | _        |          |               | 4        | 4        |
|                 | 167        |          |                      |          |               |          |                 | $\dashv$            |          | 2  |        | _                                       | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                  | $\Box$   | _        | +        | -                       | - |                 | 267        |           | -        | _        |                 | _        |          | $\dashv$      |          | 4        |
|                 | 168        |          |                      | _        | -             | $\dashv$ | $\dashv$        | $\bot$              |          |    | 8      | -                                       | ╀                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Н                                                | $\dashv$ | $\dashv$ | +        | -                       | - |                 | 268        | _         | -        | _        |                 | _        | _        | -             | $\dashv$ | -        |
|                 | 169        |          |                      | Ш        | $\dashv$      | _        | $\dashv$        | $\dashv$            | <u> </u> | 2  |        |                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\vdash$                                         |          | _        | -        | -                       | 4 |                 | 269        |           |          | 4        |                 | 4        | _        | $\rightarrow$ | $\dashv$ | -        |
| $\vdash$        | 170        |          |                      |          | Н             | _        | -+              |                     | -        | 22 |        |                                         | <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Н                                                | -        | -+       | +        |                         | 4 |                 | 270        | $\Box$    | _        | _        |                 | 4        | $\dashv$ | $\dashv$      | -        |          |
|                 | 171        |          |                      |          | -             |          | $\dashv$        | +                   |          | 22 |        | -                                       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Н                                                | $\dashv$ | $\dashv$ | +        | -                       | 4 |                 | 271        |           | -+       | -        |                 | _        | -        | $\dashv$      | $\dashv$ | -        |
| $\vdash \vdash$ | 172        |          |                      |          | $\dashv$      | $\dashv$ | $\dashv$        | +                   |          | 22 |        |                                         | ┾                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\vdash$                                         | $\vdash$ | $\dashv$ | +        |                         | - |                 | 272        | $\dashv$  | $\dashv$ | -        |                 |          | -        | -             | $\dashv$ | $\dashv$ |
| $\vdash$        | 173<br>174 |          |                      |          |               | $\dashv$ | $\dashv$        | +                   | -        | 22 |        | +                                       | ╀                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Н                                                | $\dashv$ | -        | +        | +                       | 4 | $\vdash$        | 273        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
|                 | 175        |          |                      |          |               |          | $\dashv$        | +                   | -        | 22 |        | +                                       | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Н                                                | $\dashv$ | $\dashv$ | +        |                         | ┨ |                 | 274<br>275 |           | -+       | $\dashv$ | $\dashv$        | $\dashv$ |          | $\dashv$      | $\dashv$ | $\dashv$ |
|                 | 176        | _        | <del></del>          | -        | $\vdash$      |          | -+              | +                   |          | 22 |        | -                                       | ╁╌                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                | $\dashv$ | -+       | $\dashv$ | +                       | ┨ | -               | 276        |           | $\dashv$ | -        |                 | -        | -        | $\dashv$      | $\dashv$ | $\dashv$ |
|                 | 177        |          |                      |          | $\dashv$      | $\dashv$ |                 | ╌┼╌┤                | -        | 22 |        | $\dashv$                                | ┢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Н                                                | $\dashv$ | +        | +        | ╁                       | 1 |                 | 277        |           |          | -        | $\dashv$        | $\dashv$ |          | $\dashv$      | -        | $\dashv$ |
|                 | 178        |          |                      |          |               | $\vdash$ | $\dashv$        | +                   | -        | 22 |        | -                                       | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\vdash$                                         | $\dashv$ | $\dashv$ | -        | +                       | ┨ | $\vdash$        | 278        | $\dashv$  | $\dashv$ | $\dashv$ |                 | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
|                 | 179        | -        |                      |          | -             | $\dashv$ | +               | +                   | -        | 22 |        | +-                                      | ╁┈                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $\vdash$                                         | $\dashv$ | -+       | +        | +                       | ┨ |                 | 279        | $\dashv$  | $\dashv$ | $\dashv$ |                 | $\dashv$ |          | $\dashv$      | $\dashv$ | $\dashv$ |
|                 | 180        | _        |                      | Н        | -             | $\dashv$ | +               | +                   | -        | 23 |        | +                                       | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Н                                                | $\dashv$ | 十        | -        | +                       | ┨ | <b>-</b>        | 280        |           |          | ᅱ        |                 |          |          | $\dashv$      | -        | $\dashv$ |
|                 | 181        | _        |                      |          | $\dashv$      | $\dashv$ | -               | +                   | -        | 23 |        |                                         | ╁╌                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <del>                                     </del> | $\dashv$ | $\dashv$ | $\dashv$ | +                       | ┨ |                 | 281        | $\dashv$  | +        | $\dashv$ |                 |          | $\dashv$ | $\dashv$      | $\dashv$ | ᅥ        |
|                 | 182        | _        |                      |          | -             | +        | $\dashv$        | +                   | -        | 23 |        | +                                       | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\vdash$                                         | $\vdash$ | -        | +        | +                       | ┨ | -               | 282        | -         | +        | $\dashv$ | $\dashv$        | -        | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
|                 | 183        | _        |                      | $\vdash$ |               | $\dashv$ | $\dashv$        | +                   | _        | 23 |        | +                                       | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\vdash$                                         |          | $\dashv$ | +        | +                       | 1 | $\vdash$        | 283        | $\vdash$  | $\dashv$ | -        |                 | ᅱ        |          | $\dashv$      | -        | $\dashv$ |
| $\vdash$        | 184        |          | $\vdash + \dashv$    | $\vdash$ | -             | -        | +               | +                   | $\vdash$ | 23 |        | +-                                      | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $\vdash$                                         | $\dashv$ | $\dashv$ | +        | +                       | 1 | $\vdash \vdash$ | 284        | -         | $\dashv$ | -        | $\vdash$        |          | -        | $\dashv$      | $\dashv$ | $\dashv$ |
|                 | 185        |          | Н                    |          | $\dashv$      |          | $\dashv$        | $\dashv \dashv$     |          | 23 |        | $\top$                                  | t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Н                                                | +        | $\dashv$ | +        | $\top$                  | 1 | $\Box$          | 285        | -         | $\dashv$ | $\dashv$ |                 |          | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
| $\Box$          | 186        | _        | $\vdash$             | $\vdash$ | $\dashv$      | $\dashv$ | +               | +                   |          | 23 |        | +                                       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Н                                                | $\dashv$ | $\dashv$ | 十        | +                       | 1 | $\vdash \vdash$ | 286        | $\dashv$  | $\dashv$ | $\dashv$ | -               |          |          | $\dashv$      | $\dashv$ | $\dashv$ |
| $\vdash$        | 187        |          |                      |          | $\dashv$      | 1        | $\dashv$        | +                   |          | 23 |        | +                                       | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $\vdash$                                         |          | $\dashv$ | +        | +                       | 1 | $\vdash \vdash$ | 287        | $\dashv$  | $\dashv$ | $\dashv$ |                 | $\dashv$ | _        | $\dashv$      | $\dashv$ | $\dashv$ |
| $\vdash$        | 188        |          | $\Box$               | Н        | $\dashv$      | _        | 十               | +                   |          | 23 |        | $\top$                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Н                                                | $\dashv$ | 十        | 十        | $\top$                  | 1 | $\vdash \vdash$ | 288        | $\dashv$  | $\dashv$ | -        |                 | $\dashv$ |          | $\dashv$      | $\dashv$ | $\dashv$ |
|                 | 189        |          |                      | $\vdash$ | $\neg$        |          | $\neg$          | $\forall \exists$   |          | 23 |        | $\top$                                  | $\top$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | $\Box$                                           | $\dashv$ | $\dashv$ | 十        | +                       | 1 | $\vdash$        | 289        | -         | $\dashv$ | 7        |                 | _        | $\dashv$ | $\dashv$      | 十        | $\dashv$ |
|                 | 190        |          |                      | $\Box$   | $\neg$        | $\neg$   | $\neg \uparrow$ | $\top$              |          | 24 | ō      | 1                                       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | П                                                |          | $\dashv$ | $\top$   | _                       | 1 |                 | 290        | 寸         | $\dashv$ | 7        | $\neg$          | 一        | 一        | ヿ             | 寸        | $\dashv$ |
| $\sqcap$        | 191        |          |                      |          | $\Box$        |          | T               | $\dashv \dashv$     |          | 24 |        | $\neg$                                  | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                  |          | $\top$   | $\top$   | $\top$                  | 1 | $\Box$          | 291        | $\dashv$  | $\dashv$ | 寸        | $\neg$          | _        | _        | 寸             | 7        | $\dashv$ |
|                 | 192        |          |                      |          | $\neg$        |          | $\neg$          | $\top$              |          | 24 |        | $\top$                                  | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | П                                                |          | 十        | 7        | 1                       | 1 |                 | 292        | $\dashv$  | 寸        | 寸        | $\neg$          |          | ┪        | 寸             | T        | $\neg$   |
|                 | 193        |          |                      |          |               | 一        | $\dashv$        | $\sqcap$            |          | 24 |        | $\top$                                  | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | П                                                | $\Box$   | $\top$   | 十        | $\top$                  | 1 | $\Box$          | 293        | $\neg$    | $\dashv$ | $\neg$   |                 | $\neg$   | _        | $\neg$        | $\neg$   | $\neg$   |
|                 | 194        | _        |                      |          |               | _        | _1              |                     |          | 24 | 4      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          |          |                         | ] | П               | 294        |           | $\neg$   |          | $\neg$          | 一        | _        | $\Box$        | 寸        | $\neg$   |
|                 | 195        |          |                      |          |               | _        |                 | $\top$              |          | 24 | 5      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          |          | $\top$                  | 1 | П               | 295        | $\neg$    | 寸        |          | $\neg$          | 寸        | $\neg$   | ヿ             | $\neg$   | $\neg$   |
|                 | 196        |          |                      |          |               |          | .               | П                   |          | 24 | 6      | Ī                                       | Π                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |          |          | 7        | $\top$                  | 1 |                 | 296        | $\neg$    | $\dashv$ | ╗        | $\neg \uparrow$ | $\neg$   | 寸        | $\exists$     | $\neg$   | $\neg$   |
|                 | 197        |          |                      |          |               | $\Box$   |                 | ightharpoonup       |          | 24 | 7      |                                         | $L^-$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  |          |          |          |                         | ] |                 | 297        |           | $\neg$   | T        | $\Box$          |          |          | $\exists$     | $\neg$   | $\neg$   |
|                 | 198        |          |                      |          |               |          |                 |                     |          | 24 | 8      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |          | $\perp$  | $\perp$                 | ] |                 | 298        |           |          | ٦        |                 |          |          | $\exists$     | $\neg$   | $\Box$   |
|                 | 199        | _        |                      |          |               | 丁        | $\Box$          |                     |          | 24 | 9      |                                         | Г                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |          |          |          | $oldsymbol{\mathbb{I}}$ | ] |                 | 299        |           |          |          |                 |          | 1        | $\Box$        | $\Box$   | $\Box$   |
| L]              | 200        |          |                      |          |               | $\Box$   | $oxed{T}$       |                     |          | 25 | 0      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          | $\Box$   |          |                         | ] |                 | 300        |           |          |          |                 |          |          | $\Box$        | $\Box$   |          |